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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/998,469	11/29/2001	Narayan Solayappan	13176.403	5686	
24283	7590 12/23/2003		EXAM	EXAMINER	
PATTON BOGGS			PERALTA, GINETTE		
PO BOX 2709 LOUISVILLE	E, CO 80027		ART UNIT	PAPER NUMBER	
			2814		
			DATE MAILED: 12/23/2003	3	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		09/998,469	SOLAYAPPAN E	SOLAYAPPAN ET AL.		
		Examiner	Art Unit	<u> </u>		
		Ginette Peralta	2814			
Period for	- The MAILING DATE of this commu r Reply	nication appears on the cover s	heet with the correspondence a	ddress		
THE M - Extens after S - If the p - If NO p - Failure - Any re	DRTENED STATUTORY PERIOD IN MAILING DATE OF THIS COMMUN sions of time may be available under the provision BIX (6) MONTHS from the mailing date of this comperiod for reply specified above is less than thirty (period for reply is specified above, the maximum set to reply within the set or extended period for reply ply received by the Office later than three months of patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In no event, however munication. 30) days, a reply within the statutory minim statutory period will apply and will expire St y will, by statute, cause the application to b	er, may a reply be timely filed num of thirty (30) days will be considered time X (6) MONTHS from the mailing date of this become ABANDONED (35 U.S.C. § 133).			
1)⊠ I	Responsive to communication(s) fil	ed on <u>22 October 2003</u> .				
2a)□ ⁻	This action is FINAL .	2b)☐ This action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositio	on of Claims					
4) 🖂 (Claim(s) <u>1-8,10-18,20-37,47-67 and</u>	d 69-86 is/are pending in the a	application.			
	a) Of the above claim(s) <u>47-67</u> is/a	· -	• •			
5)🛛 🤄	Claim(s) <u>1-8,10-18,20-37,69-86</u> is/a	are allowed.				
-	Claim(s) is/are rejected.					
· · · ·	Claim(s) is/are objected to.					
8) (Claim(s) are subject to restri	ction and/or election requirem	ent.			
Application	on Papers					
9)[T	The specification is objected to by the	ne Examiner.				
10)⊠ T	The drawing(s) filed on <u>01 April 200</u>	$\underline{3}$ is/are: a) $⊠$ accepted or b)[objected to by the Examiner.			
	Applicant may not request that any obje	- · ·	•			
	Replacement drawing sheet(s) includin	•	• · · · ·	, ,		
•	The oath or declaration is objected t	o by the Examiner. Note the a	ittached Office Action or form P	TO-152.		
	nder 35 U.S.C. §§ 119 and 120					
a)[Acknowledgment is made of a clain All b) Some * c) None of:					
	1. Certified copies of the priority2. Certified copies of the priority					
	3. Copies of the certified copies			l Stage		
* 0.		onal Bureau (PCT Rule 17.2(a				
13)□ Ad sin 37	ee the attached detailed Office action cknowledgment is made of a claim note a specific reference was included CFR 1.78.	for domestic priority under 35 ed in the first sentence of the s	U.S.C. § 119(e) (to a provisional specification or in an Application			
-	The translation of the foreign la					
	cknowledgment is made of a claim ference was included in the first ser					
Attachment((s)					
1) Notice	of References Cited (PTO-892)		terview Summary (PTO-413) Paper No	(s)		
	of Draftsperson's Patent Drawing Review (lation Disclosure Statement(s) (PTO-1449) F		otice of Informal Patent Application (PT ther:	O-152)		

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DETAILED ACTION

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Allowable Subject Matter

- 1. Claims 1-8, 10-18, 20-37, 69-86 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: The primary reason for the allowance of the claims is the inclusion of the feature of a hydrogen barrier layer to inhibit the diffusion of hydrogen to the metal oxide material, the hydrogen barrier layer comprising an amorphous hydrogen barrier layer material selected from the group consisting of strontium tantalate, bismuth tantalate, and tantalum oxide which is not anticipated nor rendered obvious over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. This application is in condition for allowance except for the following formal matters:

Cancellation of non-elected claims 47-67.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ginette Peralta whose telephone number is (703) 305-7722. The examiner can normally be reached on Monday to Friday 8:00 AM- 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (703) 308-4918. The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

GP

LONG PHAM PIMARY EXAMINER